EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5773	347/22,29,30,31,34,36,40,41,42,43, 47,89.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 21:15
L2	2875	L1 and (@ad<"20010517")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/31 21:15
L3	351	(nozzle printhead head) with cap$4 with (sponge absorb$4) with (suck$3 suction)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/31 21:16
L4	48	2 and 3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/31 21:17
S1	18	"4549188"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/20 22:11
S2	9	"3776461"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/20 22:11
S3	6	("3776461").URPN.	USPAT	OR	ON	2007/01/20 22:30
S4	8	("3776461" | "5381169").PN. OR ("5815177").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 22:34
S5	6	(spong$3 absorb$4) with (capillar$5 suction suck$4) with ink with nozzle adj3 (plate area)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 23:35
S6	618	(spong$3 absorb$4) with (orifice nozzle) adj3 (plate area layer)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 13:18
S7	511	ink with (nozzle orifice) adj4 (plate layer) with (suction capillar$5 suck$3 draw$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 23:56
S8	41	S6 and S7	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/21 00:01
S9	4	(absorb$4 suction$3) with (peripher$4 vicinity around circl$3) with (nozzle orifice) with excess$5 with ink	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/21 00:07
S10	40	(absorb$4 suction$3) with (peripher$4 vicinity around circl$3 ring$3) with (nozzle orifice) with concav$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/21 00:15

S11	99686	(absorb$4 capillary suction$3) same (nozzle orifice)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 13:19
S13	84184	S11 and "13"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/21 00:14
S14	5608	(absorb$4 suction$3) with (peripher$4 vicinity around circl$3 ring$3) with (nozzle orifice)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/21 00:15
S15	4880	S13 and S14	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/21 00:16
S16	15298	(recess$2 concav$5 doughnut groove well) same nozzle adj4 (opening hole diameter)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/21 00:18
S17	463	S15 and S16	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/21 00:18
S18	6	S6 and S17	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/21 00:19
S19	742	(absorb$4 suction suck$3 capillar$4 wip$3) with (ring$3 around surround$3 abut$4 peripher$5 vicinity) with nozzle adj3 (open$4 plate hole aperture)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/21 13:42
S20	67844	"347"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/21 13:42
S21	1515	nguyen adj thinh	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/21 13:43
S22	180	S19 and (S20 S21)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/21 13:43
S23	4	("6474566").URPN.	USPAT	OR	ON	2007/01/21 16:29
S24	8	("5152456" | "5437255" | "5489928" | "5563640" | "5786832" | "5798775" | "5829411" | "5840062").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/21 16:36
S25	2	"6991315"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 01:48
S26	19	("5798775").URPN.	USPAT	OR	ON	2007/01/22 07:10

S27	2	printbar with nozzle with cap$4 with wiper	USPAT	OR	ON	2007/01/22 07:11
S28	33	(fullwidth pagewid$3 elongated) near5 (wip$3 scrap$4 blade) with (wip$3 clean$3) with ink	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 07:39
S29	27	(fullwidth pagewid$3 elongated) near5 print$4 with (wip$3 scrap$4 blade) with ink	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 08:36
S30	12	(fullwidth pagewid$3 elongated) near5 print$4 with wiper	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 07:44
S31	55	(fullwidth pagewid$3 elongated) near5 print$4 same wiper	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 07:44
S32	49	(fullwidth pagewid$3 elongated) near5 print$4 same(wip$3 scrap$4 blade) with ink	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 07:44
S33	2	"6991315"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 08:05
S34	0	("6991315").URPN.	USPAT	OR	ON	2007/01/22 08:05
S35	4	("6257699" | "6277529" | "6471352" | "6604821").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/22 08:05
S36	10	("5790146").URPN.	USPAT	OR	ON	2007/01/22 08:30
S37	19	cartridge with compartments with (suppl$4 outlet inlet) with ink and (maintenance service)	USPAT	OR	ON	2007/01/22 08:31
S38	7	(fullwidth pagewid$3 line) near5 print$4 same cartridge with (wip$3 scrap$4 blade) with ink	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 08:37
S39	272	(fullwidth pagewid$3) near5 print$4 same cartridge	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 08:38
S40	87	xerox and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 09:29

S41	9	("3737233" | "3754822" | "4207578" | "4551014" | "4801981" | "4992805" | "5051761" | "5124728" | "5135317"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/22 08:51
S42	174	ink with (maintenan$2 servic$3) with station with cap$4 with wip$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/22 08:52
S43	4	S39 and S42	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/22 08:57
S44	541	347/42.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/22 08:57
S45	41	nguyen adj thinh and S44	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/22 09:31
S46	1	pagewidth same cartridge with (different multiple) with (compartment color)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 09:19
S47	7	pagewidth same cartridge same(different multiple) with (compartment color)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 09:20
S48	7	pagewidth same cartridge same (different multiple) with (compartment color)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 09:21
S49	246	pagewidth and cartridge same (different multiple) with (compartment color)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 09:21
S50	8	pagewidth same cartridge same (different multiple) same (compartment color)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 09:21
S51	7	pagewidth same cartridge same (different multiple) adj5 (compartment color)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 09:28
S52	10	(pagewid$3 fullwidth printbar (full adj line)) same cartridge same (different multiple) adj5 (compartment color)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 09:40
S53	318	(pagewid$3 fullwidth printbar (full adj line)) and cartridge same (different multiple) adj5 (compartment color)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 09:26

S54	0	S42 and S53	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 09:26
S55	13	S44 and S53	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 09:26
S56	113	pagewidth same (different multiple) adj5 (compartment color)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 09:28
S57	51	xerox and S56	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 09:29
S58	96	nguyen adj thinh and xerox	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/22 09:46
S59	13	(pagewid$3 fullwidth printbar (full adj (width line))) same cartridge same (different multiple) adj5 (compartment color)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 09:42
S60	35	"5221397"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/22 09:42
S61	31	nguyen adj thinh and hackleman	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/22 09:46
S62	21	("3852563" | "4411540" | "4689494" | "4695853" | "4716421" | "4719477" | "4803500" | "4853718" | "4872027" | "4899180" | "4902244" | "4930915" | "4947192" | "4963897" | "5033887" | "5049904" | "5103246" | "5144336" | "5235351" | "5289210" | "5363134").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/22 09:48
S63	8	("5107276" | "5343227" | "5410340" | "5440332" | "5469199" | "5625390" | "5742305" | "5751311").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/22 09:48
S64	74	("5469199").URPN.	USPAT	OR	ON	2007/01/22 10:00
S65	18	"6460984"	USPAT	OR	ON	2007/01/22 10:00
S66	40	("5587730").URPN.	USPAT	OR	ON	2007/01/22 10:07
S67	8	("5751311").URPN.	USPAT	OR	ON	2007/01/22 10:13
S68	4	("4833491" | "5057854" | "5179418" | "5398053").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/22 10:32

S69	66	("4833491").URPN.	USPAT	OR	ON	2007/01/22 10:33
S70	174	ink with (maintenan$2 servic$3) with station with cap$4 with wip$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 13:14
S71	232	nozzle adj4 cap$4 with absorb$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 08:16
S72	13364	maintenance with print$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 08:09
S73	34	S71 and S72	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 08:09
S74	0	nozzle with cap$4 with absorb$4 with (swing$3 pivot$4 rotat$3) same open	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/27 21:08
S75	1	nozzle with cap$4 with absorb$4 with (swing$3 pivot$4 rotat$3) same print$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 08:25
S76	60	nozzle with cap$4 with absorb$4 with inside	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 08:26
S77	420	(nozzle printhead head) same cap$4 with (sponge absorb$4) with (suck$3 suction)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/03 16:40
S78	1114	347/29,31.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/03 16:41
S79	74	S77 and S78	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/03 16:41
S80	6068	347/22,29,30,31-34,36,40,41,42,43, 47,89.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 21:04
S81	421	(maintenan$2 servic$3) with station with cap$4 with wip$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 21:07

S82	287	S80 and S81	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 21:07
S83	144	cap$4 with absorb$4 with (swing$3 pivot$4 rotat$3) and open with (cell$5 foam absorb$4 spong$3 neopren$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/31 13:23
S84	1303	cap$4 with (spray$3 pump$4 squirt$3) with (clean$4 wash$4) with (fluid$3 liquid$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/27 21:12
S85	3	S82 and (S83 S84) and (@ad<"20010517")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/27 21:14
S86	3152	S80 and (@ad<"20010517")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/31 21:15
S87	171	S82 and (@ad<"20010517")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/27 21:14
S88	746	(maintenan$2 servic$3) with (mechani$3 station assembl$3) with nozzle with cap$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 13:16
S89	292	(spong$3 absorb$4) with (orifice nozzle) with wip$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 13:18
S90	217192	(absorb$4 capillary suction$3) same cap$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 13:19
S91	44	S88 and S89 and S90	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 13:19
S92	5773	347/22,29,30,31,34,36,40,41,42,43,47,89.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 13:20
S93	446	(nozzle printhead head) same cap$4 with (sponge absorb$4) with (suck$3 suction)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/31 21:16
S94	82086	cap$4 with absorb$4 with (cell$5 foam absorb$4 spong$3 neopren$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/31 13:24

S95	42	S91 and (S93 S94)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/31 13:24
S96	24	S92 and S95	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/31 13:25